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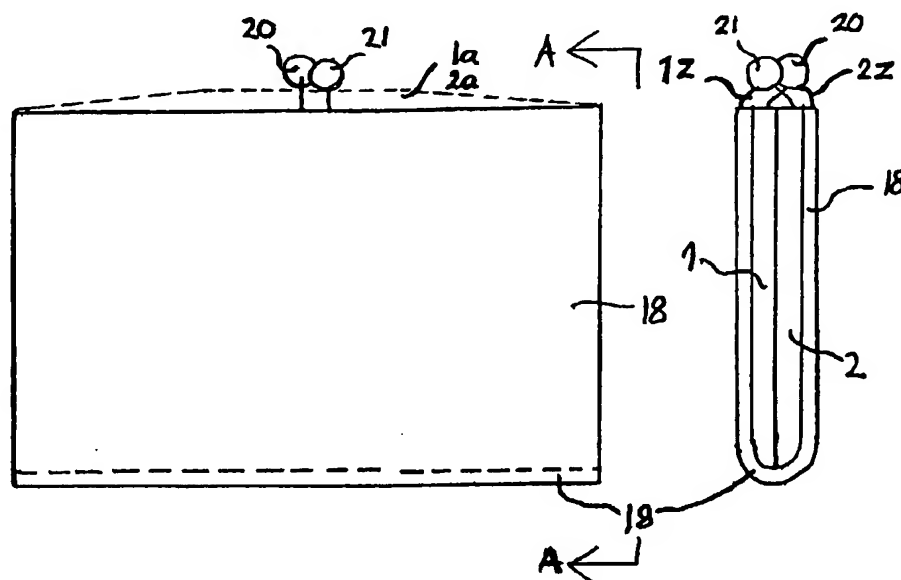
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ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.

(54) Title: MOBILE PHONE COMMUNICATIONS SYSTEM WITH INCREASED FUNCTIONALITY



(57) Abstract: The invention relates to a mobile telephone and a smart card transaction system in combination, where the functionality of a mobile telephone is increased so that the phone can be used in a large range of transactions for which smart cards are normally used. The phone may also be provided with a slot to receive smart cards and re-charge them with funds for cashless transactions, by communicating with a bank account or the like.

## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP 01/02571

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H04M1/02 H04M1/725 H05B33/14

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04M H05B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

PAJ, EPO-Internal, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 018, no. 675 (E-1648), 20 December 1994 (1994-12-20) -& JP 06 268724 A (HITACHI LTD), 22 September 1994 (1994-09-22) abstract; figures 1,2,6,8	1
X	GB 2 314 179 A (PHILLIPPS JOHN QUENTIN) 17 December 1997 (1997-12-17) abstract page 1, line 24-28 page 7, line 13 -page 8, line 6 figures 9-13	1
Y	---	2
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Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
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\*&\* document member of the same patent family

Date of the actual completion of the international search

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International Application No

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GB 2 348 521 A (HALPERN JOHN WOLFGANG) 4 October 2000 (2000-10-04) cited in the application abstract page 2, line 27-33 Amended claims 1 and 2 figure 1 ----	1
Y	US 5 181 025 A (FERGUSON DENNIS D ET AL) 19 January 1993 (1993-01-19) abstract column 2, line 15 -column 3, line 4 figures 1,2 ----	2
X	WO 96 33594 A (CAMBRIDGE DISPLAY TECH ;MAY PAUL (GB); PICHLER KARL (GB)) 24 October 1996 (1996-10-24) the whole document ----	3
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X	EP 0 820 178 A (MOTOROLA INC) 21 January 1998 (1998-01-21) abstract column 2, line 41-50 column 3, line 5 -column 6, line 44 figures 2-5 ----	4-10
A	US 5 553 314 A (GRUBE GARY W ET AL) 3 September 1996 (1996-09-03) the whole document ----	4-10
A	GB 2 321 551 A (HALPERN JOHN WOLFGANG) 29 July 1998 (1998-07-29) cited in the application abstract page 3, line 21 -page 5, line 39 figures 1-8 ----	4,5
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# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/EP 01/02571

## Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

see additional sheet

1. ☒ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☒ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. Claims: 1-2

A carrier for information and selective information exchange comprising two parts hingedly connected together by a flexible insulating material attached to both parts.

2. Claim : 3

A electronic display system utilizing a digital communication network and comprising an LED display wherein the crystal substance of the diode pixels is infused with photosensitive impurity elements capable of releasing fresh free electrons into the space charge of the crystal lowering the triggering voltage necessary to keep alight the diode pixels.

3. Claims: 4-10

A mobile telephone having means for receiving a smart card, means for communicating via the telephone network and means for transferring information received from the telephone network to the smart card.

## INTERNATIONAL SEARCH REPORT

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PCT/EP 01/02571

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